

430/270,13

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File: DWPI

Jan 31, 2001

DERWENT-ACC-NO: 1999-362517

DERWENT-WEEK: 200109

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TITLE: Change of phase type optical disk - has dielectric layers, laminated alternately on lower reflex layer, recording layer, and upper reflex layer in order above substrate

PATENT-ASSIGNEE:

ASSIGNEE

CODE

NEC CORP

NIDE

PRIORITY-DATA: 1997JP-0298477 (October 30, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 3130847 B2	January 31, 2001		006	G11B007/24
JP 11134713 A	May 21, 1999		007	G11B007/24

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 3130847B2	October 30, 1997	1997JP-0298477	
JP 3130847B2		JP 11134713	Previous Publ.
JP 11134713A	October 30, 1997	1997JP-0298477	

INT-CL (IPC): G11B 7/24

ABSTRACTED-PUB-NO: JP 11134713A

BASIC-ABSTRACT:

NOVELTY - Dielectric layers (2,4,6) are arranged alternately on a lower reflex layer (3), a recording layer (5), and an upper reflex layer (7) and are laminated on a substrate (1). The upper reflex layer is made of metal or alloy of aluminum, gold, titanium, copper or chromium.

USE - For recording information.

ADVANTAGE - The structure narrows track pitch improving recording density and also suppresses erasure of data. Lower reflex layer is arranged between substrate and dielectric layer and hence heat distortion of substrate by temperature raise of the reflex layer is suppressed. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of change of phase type optical disk. (1) substrate; (2,4,6) dielectric layer; (3,7) Lower and upper reflex layers; (5) recording layer.

CHOSEN-DRAWING: Dwg.1/13

TITLE-TERMS: CHANGE PHASE TYPE OPTICAL DISC DIELECTRIC LAYER LAMINATE ALTERNATE LOWER REFLEX LAYER RECORD LAYER UPPER REFLEX LAYER ORDER ABOVE SUBSTRATE

DERWENT-CLASS: T03 W04